Mechanisms of Ageing and Development, 45 (1988) 299
Elsevier Scientific Publishers Ireland Ltd.

MECHANISMS OF AGEING AND DEVELOPMENT

AUTHOR INDEX

Volume 45 (1988)

Aiello, V.R. 145
Aoike, A. 9
Araki, H. 213
Aronson, M. 127
Ashcom, J.D. 191

Baylis, C. 111
Beit-Or, A. 157
Beregi, E. 75
Berends, F. 41
Bergh, N. 239
Bishop, J.E. 203
Boerrigter, M.E.T.I. 41
Bonga, S.E.W. 253
Brouwer, A. 41

Cinader, B. 9
Cohen, H.J. 65

Deguchi, Y. 167
Dekaris, D. 223
Deyl, Z. 1

Eilam, Y. 157

Flood, J.F. 231
Fox, R. 239
Fredericks, M. 111
Frigon, R. 111

Gershon, D. 177

Hallgren, H.M. 239
Hara, H. 167
Hausmann, J. 1
Hawdon, J.M. 191
Henderson, L. 111
Horáková, M. 1
Hosokawa, T. 9
Hosono, M. 9

Imre, S. 75
Ishihara, A. 213
Izsák, J. 75

Jacobson, L.A. 191
Jurivich, D.A. 65

Kardum, I. 223
Kaur, M. 277
Kawai, K. 9
Kishimoto, S. 167

Latulippe, J. 137
Laughrea, M. 137
Laurent, G.J. 203
Lavie, L. 177
Leypoldt, J. 111

Macek, K. 1
Massie, H.R. 145
Mays, P.K. 203
Meisami, E. 285
Meyer, J. 23
Morley, J.E. 231
Moussavi, R. 285
Mukherjee, A.B. 59
Mullaart, E. 41

Nakano, M. 51
Negoro, S. 167
Nevo, Z. 157
Nishio, S. 167
Noble, R.C. 75

O'Leary, J.J. 239

Pénzes, L. 75

Rabatic, S. 223
Regius, O. 75
Rodysill, K.J. 239
Rosen, G.M. 65
Rosenthal, M.J. 231

Sabioncello, A. 223
Saiki, O. 167
Sarkis, G.J. 191
Scarpace, P.J. 231
Sharma, S.P. 277
Small, M. 127
Stablein, M. 23

Tanaka, T. 167
Tauchi, H. 51
Thakur, M.K. 93
Timiras, P.S. 285
Tuttle, R.S. 145

van Kemenade, J.A.M. 253
van Putten, L.J.A. 253
Vijg, J. 41

Wadhwa, R. 277
Weinstein, M.E. 59
Wilson, C. 111

Mechanisms of Ageing and Development, 45 (1988) 301—303
Elsevier Scientific Publishers Ireland Ltd.

MECHANISMS OF AGEING AND DEVELOPMENT

SUBJECT INDEX

Volume 45 (1988)

accumulation of DNA damage, alkaline elution, rat liver cells, aging, 41
age, muscle-fiber, motoneuron, oxidative enzyme activity, extensor digitorum longus muscle, rat, 213
age-dependent change, T-independent type-2 antigen, augmenting T helper cell, B-cell responsiveness, polymorphism of aging, range of alleles in aging, 9
age-related, collagen, types, 203
ageing, 2-mercaptoethanol, rectal temperature, total body protein turnover, lipids and fatty acids, superoxide dismutase, lipid peroxidation, liver, mouse, 75
age-related, phagocytosis, ingestion, antibody-dependent cell-mediated cytotoxicity, digestion, 223
ageing, *Zaprionus paravittiger,* antioxidant (sodium hypophosphite), peroxidase, 277
aging, alkaline elution, accumulation of DNA damage, rat liver cells, 41
aging, cerebellar, beta-adrenergic receptor, 231
aging, IL-2 receptor, p-55-Tac(α chain), p70/75(β chain), IL-2 internalization, 167
aging, membrane fluidity, nitroxide probe, electron spin resonance, 65
aging, pituitary, prolactin, immunocytochemistry, 253
aging, proteinuria, dextrans, rats, glomerulus, 111
aging, renal brush borders, brush border enzymes, leucine aminopeptidase, 51
aging, ribosomes, rat liver, senescence, protein synthesis, poly(U), 137
aging, steroid receptors, nuclear acceptors, steroid action, 93
aging of cartilage, cultured chondrocytes, proteoglycans, reduced oxygen tension, slowing aging processes, free cytosolic calcium, 157
alkaline elution, accumulation of DNA damage, rat liver cells, aging, 41
aluminum, longevity, mice, 145
antibody-dependent cell-mediated cytotoxicity, phagocytosis, ingestion, digestion, age-related, 223
antioxidant (sodium hypophosphite), *Zaprionus paravittiger*, ageing, peroxidase, 277
augmenting T helper cell, age-dependent change, T-independent type-2 antigen, B-cell responsiveness, polymorphism of aging, range of alleles in aging, 9

B-cell responsiveness, age-dependent change, T-independent type-2 antigen, augmenting T helper cell, polymorphism of aging, range of alleles in aging, 9
beta-adrenergic receptor, cerebellar, aging, 231
brush border enzymes, aging, renal brush borders, leucine aminopeptidase, 51

Caenorhabditis elegans, protease, peptidase, cathepsin, proteolysis, nematode, lysosomes, 191
capillaries, ultrastructural age changes, rat oral mucosa, 23
carbohydrate diet, prolonged lifespan, food restriction, 1
cathepsin, protease, peptidase, proteolysis, nematode, *Caenorhabditis elegans*, lysosomes, 191
centromere separation, human cellular aging, 59
cerebellar, beta-adrenergic receptor, aging, 231
chemiluminescence, senescence, peritoneal macrophages, oxygen radicals, phagocytosis, 177
collagen, types, age-related, 203
cretinism, DNA, RNA, thyroid hormones, myosin-ATPase, growth recovery, skeletal muscle, 285
cultured chondrocytes, aging of cartilage, proteoglycans, reduced oxygen tension, slowing aging processes, free cytosolic calcium, 157

dextrans, proteinuria, aging, rats, glomerulus, 111
digestion, phagocytosis, ingestion, antibody-dependent cell-mediated cytotoxicity, age-related, 223
DNA, RNA, thyroid hormones, myosin-ATPase, cretinism, growth recovery, skeletal muscle, 285
DNA repair in ageing, thymic involution, 127

electron spin resonance, aging, membrane fluidity, nitroxide probe, 65
extensor digitorum longus muscle, age, muscle-fiber, motoneuron, oxidative enzyme activity, rat, 213

food restriction, carbohydrate diet, prolonged lifespan, 1
free cytosolic calcium, aging of cartilage, cultured chondrocytes, proteoglycans, reduced oxygen tension, slowing aging processes, 157

glomerulus, proteinuria, dextrans, aging, rats, 111
growth recovery, DNA, RNA, thyroid hormones, myosin-ATPase, cretinism, skeletal muscle, 285

human aging, T lymphocytes, immunology, T cell antigen receptor, 239
human cellular aging, centromere separation, 59

IL-2 internalization, aging, IL-2 receptor, p-55-Tac(α chain), p70/75(β chain), 167
IL-2 receptor, aging, p-55-Tac(α chain), p70/75(β chain), IL-2 internalization, 167
immunocytochemistry, pituitary, aging, prolactin, 253
immunology, T lymphocytes, human aging, T cell antigen receptor, 239
ingestion, phagocytosis, antibody-dependent cell-mediated cytotoxicity, digestion, age-related, 223

leucine aminopeptidase, aging, renal brush borders, brush border enzymes, 51
lipids and fatty acids, 2-mercaptoethanol, rectal temperature, total body protein turnover, superoxide dismutase, lipid peroxidation, liver, mouse, ageing, 75
lipid peroxidation, 2-mercaptoethanol, rectal temperature, total body protein turnover, lipids and fatty acids, superoxide dismutase, liver, mouse, ageing, 75
liver, 2-mercaptoethanol, rectal temperature, total body protein turnover, lipids and fatty acids, superoxide dismutase, lipid peroxidation, mouse, ageing, 75
longevity, mice, aluminum, 145
lysosomes, protease, peptidase, cathepsin, proteolysis, nematode, *Caenorhabditis elegans*, 191

membrane fluidity, aging, nitroxide probe, electron spin resonance, 65
2-mercaptoethanol, rectal temperature, total body protein turnover, lipids and fatty acids, superoxide dismutase, lipid peroxidation, liver, mouse, ageing, 75
mice, longevity, aluminum, 145
motoneuron, age, muscle-fiber, oxidative enzyme activity, extensor digitorum longus muscle, rat, 213
mouse, 2-mercaptoethanol, rectal temperature, total body protein turnover, lipids and fatty acids, superoxide dismutase, lipid peroxidation, liver, ageing, 75
muscle-fiber, age, motoneuron, oxidative enzyme activity, extensor digitorum longus muscle, rat, 213
myosin-ATPase, DNA, RNA, thyroid hormones, cretinism, growth recovery, skeletal muscle, 285

nematode, protease, peptidase, cathepsin, proteolysis, *Caenorhabditis elegans*, lysosomes, 191
nitroxide probe, aging, membrane fluidity, electron spin resonance, 65
nuclear acceptors, aging, steroid receptors, steroid action, 93

oxidative enzyme activity, age, muscle-fiber, motoneuron, extensor digitorum longus muscle, rat, 213
oxygen radicals, senescence, peritoneal macrophages, chemiluminescence, phagocytosis, 177

p-55-Tac(α chain), aging, IL-2 receptor, p70/75(β chain), IL-2 internalization, 167
p70/75(β chain), aging, IL-2 receptor, p-55-Tac(α chain), IL-2 internalization, 167
peptidase, protease, cathepsin, proteolysis, nematode, *Caenorhabditis elegans*, lysosomes, 191
peritoneal macrophages, senescence, chemiluminescence, oxygen radicals, phagocytosis, 177

peroxidase, *Zaprionus paravittiger*, ageing, antioxidant (sodium hypophosphite), 277
phagocytosis, ingestion, antibody-dependent cell-mediated cytotoxicity, digestion, age-related, 223
phagocytosis, senescence, peritoneal macrophages, chemiluminescence, oxygen radicals, 177
pituitary, aging, prolactin, immunocytochemistry, 253
poly(U), ribosomes, aging, rat liver, senescence, protein synthesis, 137
polymorphism of aging, age-dependent change, T-independent type-2 antigen, augmenting T helper cell, B-cell responsiveness, range of alleles in aging, 9
prolactin, pituitary, aging, immunocytochemistry, 253
prolonged lifespan, carbohydrate diet, food restriction, 1
protease, peptidase, cathepsin, proteolysis, nematode, *Caenorhabditis elegans*, lysosomes, 191
proteinuria, dextrans, aging, rats, glomerulus, 111
protein synthesis, ribosomes, aging, rat liver, senescence, poly(U), 137
proteoglycans, aging of cartilage, cultured chondrocytes, reduced oxygen tension, slowing aging processes, free cytosolic calcium, 157
proteolysis, protease, peptidase, cathepsin, nematode, *Caenorhabditis elegans*, lysosomes, 191

range of alleles in aging, age-dependent change, T-independent type-2 antigen, augmenting T helper cell, B-cell responsiveness, polymorphism of aging, 9
rat, age, muscle-fiber, motoneuron, oxidative enzyme activity, extensor digitorum longus muscle, 213
rats, proteinuria, dextrans, aging, glomerulus, 111
rat liver, ribosomes, aging, senescence, protein synthesis, poly(U), 137
rat liver cells, alkaline elution, accumulation of DNA damage, aging, 41
rat oral mucosa, capillaries, ultrastructural age changes, 23
rectal temperature, 2-mercaptoethanol, total body protein turnover, lipids and fatty acids, superoxide dismutase, lipid peroxidation, liver, mouse, ageing, 75
reduced oxygen tension, aging of cartilage, cultured chondrocytes, proteoglycans, slowing aging processes, free cytosolic calcium, 157
renal brush borders, aging, brush border enzymes, leucine aminopeptidase, 51
ribosomes, aging, rat liver, senescence, protein synthesis, poly(U), 137
RNA, DNA, thyroid hormones, myosin-ATPase, cretinism, growth recovery, skeletal muscle, 285

senescence, peritoneal macrophages, chemiluminescence, oxygen radicals, phagocytosis, 177
senescence, ribosomes, aging, rat liver, protein synthesis, poly(U), 137
skeletal muscle, DNA, RNA, thyroid hormones, myosin-ATPase, cretinism, growth recovery, 285
slowing aging processes, aging of cartilage, cultured chondrocytes, proteoglycans, reduced oxygen tension, free cytosolic calcium, 157
steroid action, aging, steroid receptors, nuclear acceptors, 93
steroid receptors, aging, nuclear acceptors, steroid action, 93
superoxide dismutase, 2-mercaptoethanol, rectal temperature, total body protein turnover, lipids and fatty acids, lipid peroxidation, liver, mouse, ageing, 75

T-independent type-2 antigen, age-dependent change, augmenting T helper cell, B-cell responsiveness, polymorphism of aging, range of alleles in aging, 9
thymic involution, DNA repair in ageing, 127
thyroid hormones, DNA, RNA, myosin-ATPase, cretinism, growth recovery, skeletal muscle, 285
total body protein turnover, 2-mercaptoethanol, rectal temperature, lipids and fatty acids, superoxide dismutase, lipid peroxidation, liver, mouse, ageing, 75
types, collagen, age-related, 203
T cell antigen receptor, T lymphocytes, human aging, immunology, 239
T lymphocytes, human aging, immunology, T cell antigen receptor, 239

ultrastructural age changes, capillaries, rat oral mucosa, 23

Zaprionus paravittiger, ageing, antioxidant (sodium hypophosphite), peroxidase, 277